# THE INDIAN ELECTRICITY ACT, 1910* (IX OF 1910).†

**G. N., P. W. D., No. 9175/27-I, dated 31st August 1935 (B. G., Pt. I, p. 1658).** S. 33

*Amended by G. N., P. W. D., No. 2005/36-III, dated 16th Sept. 1938.*

In exercise of the powers conferred by section 33 of the Indian Electricity Act, 1910, as amended by the Indian Electricity (Amendment) Act, 1922, and in Supersession of Government Notification No. P. 2, dated 26th October 1922, the Governor in Council is pleased to hereby order that in the event of any accident occurring in the State of Bombay, arising out of or connected with the generation, transmission, supply or use of energy in, or in connection with, any part of the electric supply lines or other works (including buildings, machinery or apparatus of any person or Company and the accident results, or is likely to result, in loss of life or personal injury, such person or Company shall, within 24 hours of its occurrence, give notice in writing thereof to the Electric Inspector, Bombay, and shall also give notice thereof to the District Magistrate if the accident occur outside the limits of the City and Island of Bombay or to the Commissioner of Police, if the accident occur within the City and Island of Bombay and every such notice shall contain full particulars of the time, place and nature of the accident and of any loss of life or personal injury actually occasioned by the accident and information as regards the cause or probable cause of such accident: Provided that in respect of accidents arising out of the generation, transmission, supply or use of electrical energy, *for purposes other than traction*, which may occur within areas occupied by electrical works situate within the jurisdiction and control of the Great Indian Peninsula and the Bombay, Baroda and Central India Railways, the requisite notice shall also be given to the Electric Inspector of the Railway concerned.

**G. N., P. W. D., No. 2373/36, dated 17th Nov. 1941 (B. G., Pt. I, p. 4160).** S. 36 (1) & rule 7 (2).

In exercise of the functions of the Central Government under sub-section (*1*) of section 36 of the Indian Electricity Act, 1910 (IX of 1910), and sub-rule (2) of rule 7 of the Indian Electricity Rules, 1937, entrusted to the Government of Bombay by Government of India, Department of Labour, Notification No. A-807 (2), dated the 19th December 1940, the Government of Bombay is pleased—

(1) to appoint the Electric Inspector, Bombay State, to be the Electric Inspector for the areas occupied by the Shivrajpur Mines in the Broach and Panch Mahals District; and

(2) to direct the levy of fees for testing and inspection and generally for the services of the said Inspector as specified in the Schedule hereto annexed :—

SCHEDULE.

| | Rs. |
|---|---|
| (1) For lighting including conductors and fittings. | 10 per Kilowatt or part thereof subject to a maximum of Rs. 100. |

* The following notification has been issued by the Govt. of India, Department of Industries and Labour, under Act X of 1937, which amends this Act :—

No. S. 500, dated New Delhi, the 23rd March 1937.

In pursuance of sub-section (2) of section 1 of the Indian Electricity (Amendment) Act, 1937 (X of 1937), the Governor General in Council is pleased to appoint the 1st March 1937 as the date on which the said Act shall come into force.

† For entrustment of functions of the Central Government under section 36 of the Act and sub-rule (2) of rule 7 of the Indian Electricity Rules, 1937, see G. of I., Dept. of Lab., Notn. No. A/807 (2), dated 19th Dec. 1940 under section 124 (*1*) of the Government of India Act, 1935.

| | Rs. |
|---|---|
| (2) For low and medium pressure motors or other apparatus including other starting and regulating appliances :— | |
| *Capacity.* | |
| Up to and including 5 Kilowatts ... | 5 |
| Exceeding 5 Kilowatts, but not exceeding 10 Kilowatts. | 7-8-0 |
| Exceeding 10 Kilowatts but not exceeding 20 Kilowatts. | 10 |
| Exceeding 20 Kilowatts but not exceeding 50 Kilowatts. | 20 |
| Exceeding 50 Kilowatts but not exceeding 100 Kilowatts. | 30 |
| Exceeding 100 Kilowatts but not exceeding 500 Kilowatts. | 30 plus Rs. 15 for every 50 Kilowatts or part thereof in excess of 100 Kilowatts; provided that, if the part does not exceed 5, 10 or 20 Kilowatts, Rs. 5, Rs. 7-8-0 or Rs. 10 respectively shall be charged for such excess. |
| Exceeding 500 Kilowatts but not exceeding 1,000 Kilowatts. | 150 plus Rs. 10 for every 50 Kilowatts or part thereof in excess of 500 Kilowatts; provided that, if the part does not exceed 5 or 10 Kilowatts, Rs. 5 or Rs. 7-8-0 respectively shall be charged for such excess. |
| Exceeding 1,000 Kilowatts ... | 250 |
| (3) For an earthing device including earth or fault detectors. | 20 each. |
| (4) For electrical generators and Transformers and H. P. Apparatus :— | |
| *Capacity.* | |
| Up to and including 25 Kilowatts ... | 25 |
| Exceeding 25 Kilowatts but not exceeding 50 Kilowatts. | 50 |
| Exceeding 50 Kilowatts but not exceeding 100 Kilowatts. | 75 |
| Exceeding 100 Kilowatts but not exceeding 250 Kilowatts. | 125 |
| Exceeding 250 Kilowatts but not exceeding 500 Kilowatts. | 175 |
| Exceeding 500 Kilowatts but not exceeding 750 Kilowatts. | 225 |
| Exceeding 750 Kilowatts but not exceeding 1,000 Kilowatts. | 275 |
| Exceeding 1,000 Kilowatts ... | 300 |

**G. N., P. W. D., No. 7756/36, dated 25th February 1946 (B. G., Pt. IV-A, p. 39).** **S. 51**

*Amended by G. N., P. W. D., No. 7756/36, dated 27th December 1946.*

In exercise of the powers conferred by section 51 of the Indian Electricity Act, 1910 (IX of 1910), the Government of Bombay is pleased to confer upon the Special Officer (Electric Grid) and the officers subordinate to him not below the rank of Technical Assistants (Electric Grid), for the placing of appliances and apparatus for the transmission and distribution of electrical energy by the Electric Grid Department wherever necessary in this State, the powers which the telegraph authority possesses under sections 10 to 19 and 19-A of the Indian Telegraph Act, 1885 (XIII of 1885), with respect to the placing of telegraph lines and posts for the purposes of a telegraph established or maintained by the Government or to be so established or maintained.

The exercise of the powers hereby conferred is subject to the provisions of the said Indian Telegraph Act, 1885, and also to the following further conditions, namely :—

(*i*) The telegraph and telephone line crossing the transmission lines shall be efficiently guarded to the satisfaction of the telegraph authority ;

(*ii*) All such crossings shall be at right angles or as near to right angles as practicable ;

(*iii*) The Special Officer (Electric Grid) shall consult the Central Government and Railway authorities concerned before the layout of any line is fixed ;

(*iv*) No energy shall be transmitted within a radius of 18 miles of the Magnetic Observatory at Alibag in the case of direct current systems of any kind and within a radius of 5 miles in the case of alternating current systems.

**G. N., P. W. D., No. LAH. 2151, dated 4th February 1952 (B. G., Pt.-IV-A, p. 284).** **S. 51**

*Amended by G. N., P. W. D., No. LAH. 2151, dated 10th October 1952.*

In exercise of the powers conferred by section 51 of the Indian Electricity Act, 1910 (IX of 1910), the Government of Bombay is pleased to confer upon the Ahmedabad Electricity Company Limited, the Licensee for the Ahmedabad and District Electric License, 1944, for placing of appliances and apparatus for the transmission of electrical energy from the Company's mains to the entire area of supply, the powers which the telegraph authority possesses under sections 10 to 19 and 19A of the Indian Telegraph Act, 1885 (XIII of 1885), with respect to placing of telegraph lines and posts for the purposes of a telegraph established or maintained by Government or to be so established or maintained.

The exercise of the powers hereby conferred is subject to the provisions of the said Indian Telegraph Act, 1885, and also to the following further conditions, namely :—

(*i*) The telegraph and telepnone lines crossing the transmission lines shall be efficiently guarded to the satisfaction of the telegraph authority.

(*ii*) All such crossings shall be at right angles or as near to the right angles as practicable.

(*iii*) The licensee shall obtain the previous approval of the telegraph authority, the Chief Engineer, Bombay Electric Grid, the Electrical Engineer to Government, the Superintending Engineer, North Gujarat Circle, the Collector of Ahmedabad and the authorities of the Western Railway to the route of transmission lines and shall also supply a map of the route to the Electric Inspector, Baroda Electrical Division, Baroda, for record.

(*iv*) The licensee shall obtain the previous approval of the Electrical Engineer to Government to the methods of construction of the transmission lines and sub-stations.

(*v*) The licensee shall not commence the supply of energy through the transmission lines, till they have been inspected and passed in writing by the Electric Inspector, Baroda Electrical Division, Baroda.

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(*vii*) The licensee shall comply with any requirements that may be stipulated hereafter by Government.

S. 51 **G. N., P. W. D., No. LJL-2051, dated 13th April 1952 (B. G., Pt. IV-A, p. 453).**

In exercise of the powers conferred by section 51 of the Indian Electricity Act, 1910 (IX of 1910), the Government of Bombay is pleased to confer upon the Jalgaon Electric Supply Company Limited, the licensee for the Jalgaon Electric License, 1928, for the placing of appliances and apparatus for the transmission of electrical energy from the Company's mains to the Pumping Station of the Central Railway, at Jalgaon, the powers which the telegraph authority possesses under sections 10 to 19 and 19-A of the Indian Telegraph Act, 1885 (XIII of 1885), with respect to the placing of telegraph lines and posts for the purposes of a telegraph established or maintained by the Government or to be so established or maintained.

The exercise of the powers hereby conferred is subject to the provisions of the said Indian Telegraph Act, 1885, and also to the following further conditions, namely :—

(*i*) The telegraph and telephone lines crossing the transmission lines shall be efficiently guarded to the satisfaction of the Telegraph Authority.

(*ii*) All such crossings shall be at right angles or as near to right angles as practicable.

(*iii*) The licensee shall obtain the previous approval of the Telegraph authority and, if any transmission line crosses any railway land, the Railway authorities concerned, to the route of the lines and shall supply a map of the route to the Electric Inspector, Public Works Department, Poona, for record.

(*iv*) The construction of a transmission line shall be in accordance with the methods or plans approved in writing by the Electrical Engineer to Government.

(*v*) The licensee shall not commence the supply of energy through the proposed transmission line till it has been inspected and passed in writing by the Electric Inspector, Public Works Department, Poona.

(*vi*) The compliance with the above conditions shall not in any way affect the obligations of the licensee under sections 12 to 16 (both inclusive) and sections 18 and 19 of the Indian Electricity Act, 1910.

(*vii*) The licensee shall comply with any requirements that may be stipulated hereafter by Government.

S. 51 **G. N., P. W. D., No. LCL. 1252-II, dated 28th October 1952 (B. G., Pt. IV-A, p. 982).**

In exercise of the powers conferred by section 51 of the Indian Electricity Act, 1910 (IX of 1910), the Government of Bombay is pleased to confer upon the Amalgamated Electricity Company (Belgaum) Limited, the Licensee for the Chalisgaon Electric License, 1935, for the placing of appliances and apparatus for the transmis-

sion of electrical energy from the Company's mains to the area of supply covered by Ranjangaon, Patonda and other villages, the powers which the telegraph authority possesses under sections 10 to 19 and 19-A of the Indian Telegraph Act, 1885 (XIII of 1885), with respect to the placing of telegraph lines and posts for the purposes of a telegraph established or maintained by Government or to be so established or maintained.

The exercise of the powers hereby conferred is subject to the provisions of the said Indian Telegraph Act, 1885, and also to the following conditions, namely :—

(*i*) The telegraph and telephone lines crossing the transmission lines shall be efficiently guarded to the satisfaction of the Telegraph Authority.

(*ii*) All such crossings shall be at right angles or as near to right angles as practicable.

(*iii*) The licensee shall obtain the previous approval of the Telegraph Authority, and, if any transmission line crosses any railway land, the Railway Authorities concerned to the route of the lines and shall supply a map of the route to the Electric Inspector, Public Works Department, Bombay, for record.

(*iv*) The construction of the transmission line shall be in accordance with the methods or plans approved in writing by the Electrical Engineer to Government.

(*v*) The licensee shall not commence the supply through the transmission line till it has been inspected and passed in writing by the Electric Inspector.

(*vi*) The compliance with the above conditions shall not in any way affect the obligations of the licensee under sections 12 to 16 (both inclusive) and sections 18 and 19 of the Indian Electricity Act, 1910.

(*vii*) The licensee shall comply with any requirements that may be stipulated hereafter by Government.

**G. N., P. W. D., No. 9175/27-II, dated 31st August 1935 (B. G., Pt. I, p. 1658).** **S. 55**

*Amended by G. N., P. W. D., No. 2005/36-III, dated 16th September 1938.*

In exercise of the powers conferred by section 55 of the Indian Electricity Act, 1910 (IX of 1910), the Governor in Council is pleased, by this Order, to authorise the discharge of the functions of the State Government under section 34 (*2*) of the aforesaid Act, in respect of matters affecting the areas occupied by the Great Indian Peninsula and the Bombay, Baroda and Central India Railways by the Electrical Inspectors appointed for the Railways concerned.

**G. N., P. W. D., No. 2891/36, dated 5th December 1942 (B. G., Pt. I, p. 4174).** **Rule 7 (2)**

In exercise of the powers conferred by sub-rule (2) of rule 7 of the Indian Electricity Rules, 1937, and in supersession of Government orders in the Public Works Department, No. 6617/27, dated the 10th July 1933, published at pages 1605–1608 of Part I of the *Bombay Government Gazette*, dated 13th July 1933, as subsequently amended, the Government of Bombay is pleased to order that with effect from the 1st January 1943, fees for testing and inspection and generally for the services of Electric Inspectors under the Indian Electricity Act, 1910 (IX of 1910), shall be levied in accordance with the following rules, namely :—

LEVY OF FEES FOR THE SERVICES OF ELECTRIC INSPECTORS.

1. *Definition.*—In these rules "owner" includes an occupier of any building, place, carriage or vessel in which energy is, or is about to be, generated, received or used.

2. *Levy of Fees.*—(1) Fees for periodical inspections, examinations or tests made under the provisions of the Indian Electricity Act, 1910, and the rules thereunder, shall be levied in accordance with the rates prescribed and from the persons mentioned in scales " A " to " D " in the Schedule hereto :

Provided that in the case of a second or subsequent inspection, examination or test made within a period of twelve months from the date of the first inspection, examination or test,—

(*a*) one-half of the fees prescribed in the said scales " A " to " D " shall be levied if in the opinion of the Electric Inspector the second or subsequent inspection, examination or test is necessitated by the neglect or failure of the licensee or owner to carry out within a stipulated time any written order of the Electric Inspector or by a breach of any of the provisions of the Indian Electricity Act, 1910, or the rules thereunder ; and

(*b*) no fees shall be levied if the second or subsequent inspection, examination or test is not so necessitated.

(2) Fees for initial inspections, examinations, or tests of an installation made under the provisions of the Indian Electricity Act, 1910, and the rules thereunder shall be levied in accordance with and from the persons mentioned in scales " E " to " G " and as expressly provided in scale " C " in the Schedule hereto:

Provided that, if in the opinion of the Electric Inspector, a second or subsequent inspection, examination or test of the installation is necessitated by the neglect or failure of the licensee, the telephone company or the owner, as the case may be, to carry out within a stipulated time any written order of the Electric Inspector, or by a breach of any of the provisions of the Indian Electricity Act, 1910, or the rules thereunder, the fee for such second or subsequent inspection, examination or test shall be one-half of the fee prescribed in the said scales " E " to " G " :

Provided further that if an extension to or an alteration in the installation made since the date of the last initial or periodical inspection, examination or test of the installation, is inspected, examined or tested within twelve months of that date a separate fee shall be levied in respect of such extension or alteration in accordance, with the rates prescribed and from the persons mentioned in the said scales " A" to " D ".

(3) Fees for the services of an Electric Inspector requisitioned by a consumer or by a member of the public shall be levied in accordance with and from the persons mentioned in scales " H " to " N " in the Schedule hereto.

3. *Payment of fees.*—(*i*) The fees payable under these rules may be paid prior to, or at the time of the inspection, examination or test either—

(*a*) into the Government Treasury or the Reserve Bank of India to the credit of the Electrical Department under " XIII Other Taxes and Duties—B-Receipts from Electricity Duties—Fees under the Indian Electricity Rules, 1937, and fees for the electrical inspection of cinemas " by chalan in triplicate, the receipted duplicate being forwarded to the Electric Inspector by the Treasury Officer direct, or

(*b*) at the office of the Electric Inspector, the Assistant Electric Inspector or the Electric Sub-Inspector, in cash or by money-order or cheque.

(*ii*) If for any reason the fee is not paid either prior to or at the time of the inspection, examination or test, such fee shall be paid within ten days from the date of such inspection, examination or test.

## SCHEDULE.

### SCALE "A".

(1) For an inspection, examination or test made in pursuance of rules 60 to 64 of the Indian Electricity Rules, 1937, when energy is or is about to be supplied or used at high and medium pressure except in those cases to which scales "B" to "N" of this Schedule specifically refer :—

| Capacity. | Fees. |
|---|---|
| | Rs. |
| Up to and including 5 kilowatts ... | 5 |
| Exceeding 5 kilowatts but not exceeding 10 kilowatts. | 7-8-0 |
| Exceeding 10 kilowatts but not exceeding 20 kilowatts. | 10 |
| Exceeding 20 kilowatts but not exceeding 50 kilowatts. | 20 |
| Exceeding 50 kilowatts but not exceeding 100 kilowatts. | 30 |
| Exceeding 100 kilowatts but not exceeding 500 kilowatts. | 30 for the first 100 kilowatts *plus* Rs. 15 for every 50 kilowatts or part thereof in excess of 100 kilowatts ; provided that if the part does not exceed 5, 10 or 20 kilowatts Rs. 5, Rs. 7–8–0 or Rs. 10 respectively shall be charged for such excess. |
| Exceeding 500 kilowatts but not exceeding 1,500 kilowatts. | 150 for the first 500 kilowatts *plus* Rs. 10 for every 50 kilowatts or part thereof in excess of 500 kilowatts. |
| Exceeding 1,500 kilowatts ... | 350 |

(2) The fee shall be paid by the owner to whom energy is or is about to be supplied.

### SCALE "B".

(1) For an inspection, examination or test of any generating station, receiving station or other place in which energy is generated or distributed at a pressure of 100 volts or more :—

| Capacity. | Fees. |
|---|---|
| | Rs. |
| (*i*) Domestic Lighting Sets in Residential Premises :— | |
| Up to and including 10 kilowatts ... ... ... | 10 |
| (*ii*) For cases other than mentioned in item (*i*) above :— | |
| Up to and including 25 kilowatts ... ... ... | 25 |
| Exceeding 25 kilowatts but not exceeding 50 kilowatts ... | 50 |
| Exceeding 50 kilowatts but not exceeding 100 kilowatts ... | 75 |
| Exceeding 100 kilowatts but not exceeding 250 kilowatts ... | 125 |
| Exceeding 250 kilowatts but not exceeding 500 kilowatts ... | 175 |
| Exceeding 500 kilowatts but not exceeding 750 kilowatts ... | 225 |
| Exceeding 750 kilowatts but not exceeding 1,000 kilowatts ... | 275 |
| Exceeding 1,000 kilowatts ... ... ... | 300 |

(2) In the case of a generating station or other place in which energy is generated, the fee shall be paid by the licensee or the person generating energy. In the case of a receiving station, the fee shall be paid by the owner.

SCALE "C".

(1) For an inspection, examination or test of any electric installation, appliance or apparatus in any place of public entertainment as defined in section 2 of the Bombay Entertainments Duty Act, 1923 (Bom. I of 1923) :—

| | Rs. |
|---|---|
| (*i*) For the initial inspection, examination or test of any electric installation, appliance or apparatus in a cinema or a theatre other than a travelling cinema or other temporary place of public entertainment referred to in clause (*iv*) ... ... | 100 |
| (*ii*) For every subsequent inspection, examination or test of the installation, appliance or apparatus in such cinema or theatre as is referred to in clause (*i*) ... ... | 50 |
| (*iii*) For an inspection, examination or test of any authorised addition or alteration to the electric installation in a cinema or a theatre ... ... ... ... | 10 |
| (*iv*) (*a*) For an inspection, examination or test of any electric installation, appliance or apparatus in a travelling cinema or other temporary place of public entertainment ... | 50 |
| (*b*) For every subsequent inspection, examination or test of any electric installation, appliance or apparatus in such cinema or place of public entertainment necessitated on account of a change of place or premises ... ... ... | 25 |
| (*v*) For an inspection, examination or test of any electric installation, appliance or apparatus in a travelling or temporary cinema or other temporary place of public entertainment necessitated on account of a change of installation, appliance or apparatus so as to conform to the rules and regulations for permanent places of public amusement ... ... ... ... | 50 |

(2) The fee shall be paid by the owner.

SCALE "D".

(1) For an inspection, examination or test of any electric installation, appliance or apparatus (other than a generating station or a receiving station for which a separate fee will be charged under scale "B") in a factory within the meaning of the Factories Act, 1934 (XXV of 1934), to which energy is supplied by a licensee or in which energy is generated :—

| | |
|---|---|
| (*i*) For lighting or for purposes other than power (provided that no fee under this item shall be charged in respect of an electric installation, appliance or apparatus in any factory where not more than 20 workers are employed). | Rs. 10 per kilowatt or part thereof subject to a maximum of Rs. 100. |
| (*ii*) For power ... ... | Fees as per scale "A". |

*Note.*—In any factory to which energy is supplied by a licensee or in which energy is generated both for lighting and for power, separate fees under clauses (*i*) and (*ii*) shall be charged, provided the combined fees shall not exceed Rs. 450.

(2) The fee shall be paid by the owner.

SCALE "E".

(1) For an inspection or examination in pursuance of rules 38 to 40 and 72 of the Indian Electricity Rules, 1937—

| | Rs. |
|---|---|
| (*a*) of a new medium or high pressure service ... ... | 10 |
| (*b*) of a new medium or high pressure sub-service tapped from the main service cutouts ... ... ... | 5 |

(2) The fee shall be paid by the licensee.

SCALE "F".

| | Rs. |
|---|---|
| (1) For an inspection or examination of every new aerial line including a service line, crossing either above or below a telegraph, telephone or other aerial line at one or more spans, places or points in pursuance of rule 74 of the Indian Electricity Rules, 1937 ... ... | 10 |

Provided that where more than one crossing situated within a distance of half a mile of each other are inspected at the same time, the fee shall be as follows :—

| | Rs. |
|---|---|
| For inspection of first crossing ... ... ... | 10 |
| For inspection of every additional crossing ... ... | 5 |

(2) The fee leviable under this scale shall not be charged when the inspection has been carried out in conjunction with an inspection for which a fee is levied under scale "E" or "G".

(3) The fee shall be paid by the person whose line was last erected.

SCALE "G".

| | |
|---|---|
| (1) (*a*) For an inspection or examination of a new high pressure aerial line, in pursuance of rule 79 of the Indian Electricity Rules, 1937. | A minimum charge of Rs. 100 for a distance up to 10 miles and beyond this distance Rs. 5 for every mile or part thereof. |
| (*b*) For an inspection, examination or test of a medium or low pressure aerial distributing main. | Rs. 10 per mile or part thereof subject to a maximum of Rs. 100. |

(2) The fee shall be paid by the licensee.

SCALE "H".

| | Rs. |
|---|---|
| (1) For an inspection and/or issue of a certificate under rule 70 (3) of the Indian Electricity Rules, 1937 ... ... ... | 15 |

(2) The fee shall be paid by the person who proposes either to erect a new building or structure or to make any temporary addition or alteration in or upon any building or a structure.

SCALE "I".

(1) For an inspection or examination of any electric traction system, including trolley wires and overhead equipment and test of bonding and leakage currents. — Rs. 100 per day or part thereof.

(2) The fee shall be paid by the licensee or the owner of the electric traction system as the case may be.

SCALE "J".

(1) For the testing of energy meters :—

(*a*) For testing in the laboratory a single meter of any description—

| | Rs. |
|---|---|
| (*i*) up to a capacity of 50 amperes ... ... ... | 10 |
| (*ii*) of a capacity exceeding 50 amperes but not exceeding 200 amperes ... ... ... ... ... | 15 |
| (*iii*) of a capacity exceeding 200 amperes but not exceeding 300 amperes ... ... ... ... ... | 20 |
| (*iv*) of a capacity exceeding 300 amperes but not exceeding 500 amperes ... ... ... ... ... | 35 |

(*b*) If meter is to be tested on the consumer's premises, the fees prescribed in clause (*a*) shall be increased by Rs. 5 per meter.

(2) The fee shall be paid by the owner of the meter.

SCALE "K".

(1) For an inspection, examination or test of any main, distributing main, or service line for the existence of leakage therein which may result in electrolysis or other injury to any water, gas or other pipe or to any appliance connected therewith. — Rs. 30 for the first hour or part thereof and thereafter Rs. 15 per hour or part thereof.

(2) If any leakage is discovered in any such main, distributing main, or service line, the fee shall be paid by the licensee or the owner of the main, distributing main, or service line, as the case may be.

If no leakage is discovered, the fee shall be paid by the owner of the water, gas or other pipe or of the appliance connected therewith.

SCALE "L".

| | Rs. |
|---|---|
| (1) For the testing of an installation for the existence of leakage to earth ... ... ... ... ... ... | 10 |

(2) The fee shall be paid by the party making application.

SCALE "M".

(1) For the localising of leakage to earth in any installation. — Rs. 10 for the first hour or part thereof and thereafter Rs. 5 per hour or part thereof.

(2) The fee shall be paid by the party making the application.

SCALE "N".

| | |
|---|---|
| For deciding any case of difference or dispute arising under sections 21 (*4*), 26 (*4*) or 26 (*6*) of, or clause V (2) or VI (3) of the Schedule to, the Indian Electricity Act, 1910, referred to the Electric Inspector. | Rs. 15 for each case. |

Provided that in the case of a difference or dispute referred to the Electric Inspector for being decided under section 26 (*6*) of the said Act, an additional fee for the testing of a meter in accordance with scale " J " shall be recoverable.

**G. N., P. W. D., No. 2005/36-I, dated 16th September 1938 (B. G., Pt. I, p. 1966).** **Rules 11, 15(2) & (4), 16, 18, 21 and 23.**

In supersession of Government Notification, Public Works Department, No. 1898, dated the 16th May 1923, it is notified for general information that for the purposes of rules 11, 15 (2) and (4), 16, 18, 21 and 23 of the Indian Electricity Rules, 1937, the Government of Bombay is pleased to designate in this behalf the Secretary to the Government of Bombay, Public Works Department, so far as the State of Bombay is concerned.

**G. N., P. W. D., No. 620/36-II, dated 28th August 1941 (B. G., Pt. IV-A, pp.207-208).** **Rule 48 (1), first proviso.**

In exercise of the powers conferred by the first proviso to sub-rule (1) of rule 48 of the Indian Electricity Rules, 1937, and in supersession of Government Notifications in the Public Works Department, Nos. 640/27-II, dated the 15th November 1934, 640/27, dated the 13th March 1935, 640/27, dated the 27th July 1935, 620/36-II, dated the 22nd March 1938, and 4000/36, dated the 23rd October 1939, the Government of Bombay is pleased to exempt the works carried out on the premises of the following institutions, railways, factories, bodies and persons within the State of Bombay, from so much of the said sub-rule (1) as requires such works to be carried out by an electrical contractor licensed by the State Government in that behalf, namely :—

1. The Victoria Jubilee Technical Institute, Bombay.
2. The College of Engineering, Poona.
3. All persons licensed under Part II of the Indian Electricity Act, 1910, to supply energy and all persons who have obtained the sanction of Government under section 28 of the said Act to engage in the business of supplying energy.
4. All factories within the meaning of the Factories Act, 1934 (XXV of 1934).
5. Railways other than State Railways.
6. Indian Radio and Cable Communication Company, Limited, Beam Wireless Station, Poona.
7. The Municipal Corporation for the City of Bombay.
8. The Poona City Borough Municipality, Poona.

**G. N., P. W. D., No. 620/36-III, dated 28th August 1941 (B. G., Pt. IV-A, p. 208).** **Rule 48 (1), first proviso.**

In exercise of the powers conferred by the first proviso to sub-rule (1) of rule 48 of the Indian Electricity Rules, 1937, the Government of Bombay is pleased to exempt all works carried out by the Electrical Branch of the Public Works Department on behalf of the Government of Bombay, from so much of the said sub-rule (1) as requires such works to be carried out by an electrical contractor licensed by the State Government in that behalf.

Rule 48 (1), first proviso.

**G. N., P. W. D., No. 5495/36, dated 5th November 1941 (B. G., Pt. I, p. 4128).**

In exercise of the powers conferred by the first proviso to sub-rule (1) of rule 48 of the Indian Electricity Rules, 1937, the Government of Bombay is pleased to exempt the works carried out on the premises of Sheth Chimanlal Nagindas Industrial School, Ambawadi, Ellis Bridge, Ahmedabad, from so much of the said sub-rule (1) as requires such works to be carried out by an electrical contractor licensed by the State Government in that behalf.

Rule 48 (2)

**G. N., P. W. D., No. 620/36-I, dated 22nd March 1938 (B. G., Pt. I, p. 535).**

In exercise of the powers conferred by sub-rule (2) of rule 48 of the Indian Electricity Rules, 1937, and in supersession of Government Notification, Public Works Department, No. 640/27, dated the 19th September 1929, the Government of Bombay is pleased to direct that the said rule 48 shall come into force with effect from the date of the publication of this notification.

Rule 48

**G. N., P. W. D., No. 620/36, dated 31st August 1948 (B. G., Pt. IV-A, p. 416).**

*Amended by G. N., P. W. D., No. 620/36, dated 6th February 1950.*
*Amended by G. N., P. W. D., No. 620/36, dated 30th August 1950.*
*Amended by G. N., P. W. D., No. 620/36, dated 22nd September 1950.*
*Amended by G. N., P. W. D., No. 620/36, dated 27th October 1952.*
*Amended by G. N., P. W. D., No. IER 1052, 4th November 1952.*

The following rules and conditions which are prescribed by the Government of Bombay for issuing certificates of competency under rule 48 of the Indian Electricity Rules, 1937, are published for general information in supersession of the rules issued in Government Notification, Public Works Department, No. 620/36-I, dated the 28th August 1941, as amended by Government Notification, Public Works Department, No. 620/36, dated the 10th June 1946. These rules shall apply to the whole of the State of Bombay :—

I. LICENSING BOARD.

1. *Appointment of Licensing Board.*—For carrying out the purpose of these rules, a Licensing Board (hereinafter referred to as " the Board ") representative of electrical interests in the State shall be appointed.

2. *Constitution of the Board.*—The Board shall consist of (*a*) the Electrical Engineer to Government who shall be the president, (*b*) the Electric Inspector, Poona, Member, (*c*) The Electric Inspector, Baroda, Member, (*d*) the Electric Inspector, Bombay, who shall be the Secretary and (*e*) representatives of the following bodies as specified below :—

| Name of Body. | Number of Representatives. |
|---|---|
| (1) Bombay Municipality—The Bombay Electric Supply and Transport Undertaking ... ... ... ... | 1 |
| (2) The Bombay Fire Insurance Association ... ... | 1 |
| (3) The Great Indian Peninsula Railway ... ... ... | 1 |
| (4) The Bombay Baroda and Central India Railway ... ... | 1 |
| (5) The Victoria Jubilee Technical Institute, Bombay ... ... | 1 |
| (6) The College of Engineering, Poona ... ... ... | 1 |
| (7) The Association of Electrical undertakings, Bombay State, Bombay | 2 |
| (8) The Electrical Contractors' Association, Bombay ... ... | 2 |
| (9) The Tata Hydro-Electric Group ... ... ... | 1 |
| Total ... | 11 |

*Note.*—The representative of each of the abovementioned bodies must be a corporate member of the Institution of Civil Engineers, or the Institution of Electrical Engineers, or the Institution of Engineers, India.

3. *Functions of the Board.*—The functions of the Board shall be—

(1) to grant licences to Electrical Contractors ;

(2) to conduct examinations for supervisors and wiremen ;

(3) to grant certificates and permits to supervisors and wiremen ;

(4) to deal with applications and testimonials found to be incorrect and to take such action as may be decided on ;

(5) to nominate representatives in the various centres of the State for the purpose of carrying out local examinations and test under these rules ;

(6) to hear and decide cases of malpractice by electrical contractors, supervisors or wiremen ; and

(7) generally to carry out the provisions of these rules.

*Note.*—Any decision given by the Board in the execution of its functions shall be final.

3A. *Sub-Committees.*—The Board shall have power to appoint Sub-Committees and delegate such of its powers to these Sub-Committees as the Board considers fit.

4. *Meetings of the Board.*—The Board shall ordinarily meet once in six months after each half-yearly examination. The Board shall also meet for transacting any special business, which cannot be disposed of by circulation of papers. Notice of every meeting shall be sent to each member by the Secretary.

5. *Quorum.*—Six members shall form a quorum at any meeting of the Board.

6. *Duties of the President.*—The duties of the President shall be—

(1) to preside at all meetings of the Board, unless prevented by reasonable cause ; and

(2) grant licences to electrical contractors and certificates and permits to supervisors and wiremen on behalf of the Board.

7. *Chairman of meeting.*—The President, and in his absence, such one of the members present, as may be elected by the meeting, shall be the chairman of the meeting.

8. *Duties of the Secretary.*—The duties of the Secretary shall be—

(1) to scrutinise all applications for electrical contractors' licences and submit the same to the President and carry on correspondence in connection therewith ;

(2) to scrutinise applications for admission to the examination for supervisors and wiremen and carry on correspondence in connection therewith ;

(3) to countersign licences to electrical contractors and certificates and permits to supervisors and wiremen ;

(4) to notify to all electric supply companies concerned and the electrical contractors' association of all licences issued and/or cancelled.

## II. Examinations.

9. *Examinations.*—Examinations under these rules shall be held twice a year in January and July, in Bombay, Ahmedabad and Poona, and such other places and on such dates as may be notified by the Secretary to the Board from time to time in the *Bombay Government Gazette.*

10. *Admission to Examinations.*—Examinations are intended for such candidates as are working or have worked in the State of Bombay.

### III. Mode of Examinations.

11. Every examination shall be of such a nature as to test the practical knowledge of the candidate and to ascertain his competency.

12. Every examination shall be conducted in a place where the candidate's knowledge can be practically tested and each candidate shall be tested *viva voce.*

### IV. Admission of Candidates for Examinations.

13. *Examinations for supervisors.*—The examination for supervisors is intended for electricians, supervisors, foremen, charge-hands and others, but any wireman may appear for the examination, if he desires to do so.

14. *Qualifications.*—Candidates for the examination for supervisors must—

(*a*) have passed the examination for wiremen; and

(*b*) have at least five years' practical electrical experience (of which not less than two years should be after passing the Wiremen's Examination), which is regarded as satisfactory by the Board.

*Note.*—(1) Every candidate who produces a full technological certificate in electrical engineering from any recognised technical institute or college shall be exempted from appearing for this examination:

Provided that such candidate has, after completing his training for such certificate, undergone practical training in wiring and rectifying common defects in electric light and power installations under a licensed electrical contractor working in the State of Bombay, for such period, being not less than one year, so that the total period of training undergone by him is not less than five years.

(2) The Board may grant exemption to any candidate from the requirements of the proviso to paragraph (1) above, if in the opinion of the Board the practical training obtained by the candidate is satisfactory.

15. *Examination for wiremen.*—The examination for wiremen is intended for working wiremen.

16. *Qualifications.*—Candidates for the examination for wiremen shall be the persons (*a*) who have worked on wiring and electric installation works for at least two years under a Licensed Electrical Contractor, working in the State of Bombay, or (*b*) who have satisfactorily completed the wiremen's classes at the Victoria Jubilee Technical Institute at Bombay, or any other approved institution and passed the examination held by the Committee of Direction for Technical Education in the State of Bombay and in addition have served under a licensed electrical contractor in the State of Bombay for at least twelve months, employed on installation work, or (*c*) who have other electrical training or practical experience which is regarded as satisfactory by the Board.

*Note.*—A candidate who has passed the third year's course in electrical engineering from the Victoria Jubilee Technical Institute at Bombay, the College of Engineering, Poona, or other approved institutions, and obtained at least 50 per cent. of the full marks in the annual examination in wiring, jointing and electrical experiments, will be exempted from appearing for this examination.

17. *Application for appearing for examinations.*—Every candidate for an examination under these rules shall make an application in Form A and shall sign the same in the presence of his employer, an Honorary Magistrate, or a Government

official. The candidate shall forward the application duly filled in to the Secretary to the Board not less than forty-two days before the date fixed for the examination together with—

(*a*) testimonials from employers regarding good conduct and practical experience in Form K, appended to these rules;

(*b*) wireman's examination certificate, if any;

(*c*) a challan in support of payment of the fee; and

(*d*) two copies of his latest photograph (size about 2″ × 2½″) with his name on the back.

18. *Examination fee not to be returned.*—The fee paid by a candidate, whose application for an examination has been accepted, shall not be returned to him on any account:

Provided that in the event of a candidate's inability to attend the examination for valid reasons it shall be competent to the Board to allow such candidate to appear at the next examination without further payment.

## V. Testimonials.

19. *Admission to examinations.*—No candidate shall be admitted to any examination whose testimonials are, in the opinion of the Board, unsatisfactory.

20. *Return of testimonials.*—The original testimonials after being scrutinised shall be returned to the applicant when his application is disposed of.

## VI. Subjects for Examinations.

21. *Syllabus for the Supervisors' Examination.*—Candidates for the examination for the grant of competency certificates will be examined by one written paper and an oral test, in accordance with the following syllabus.

The written paper will be in two sections and every candidate will be expected to pass separately in each section.

### Section I.

(*Theoretical electricity.*)

*The electric circuit.*—Hydraulic analogy. Electrical pressure. Current and resistance. Ohm's Law. Calculation of resistance. Series and parallel grouping of resistances. Heating effect of electric current. Temperature coefficient of resistances. Conductors and insulators. Cables. Power and energy. Units.

*Chemical effects of electric current.*—Electrolysis. Primary cell. The lead storage cell. The alkaline cell. Charging of storage cells.

*The magnetic circuit.*—Magnetic effects of electric current. Magnetic properties of materials. Electromagnets. Electric bells and relays.

*Principles of electrical measurements and measuring instruments.*—Potentiometer. Wheatstone bridge. Post office box. Substitution methods. Ammeters, voltmeters, ohmmeters, wattmeters, energy meters, frequency meters, power factor meters and synchroscopes.

*D. C. generators.*—Constructional features. Generation of E.M.F. Armature winding Commutation and armature reaction. Series and shunt field winding.

*D. C. motors.*—General principles. Back E. M. F. torque. Method of starting.

*Alternating currents.*—Elementary ideas about vectors. Phase and phase difference. Resistance, Inductance and capacity. A. C. power and power factor. Three phase working. Star and delta connections. Three phase power measurement and other indicating instruments.

*A. C. generators.*—Constructional features. Calculation of frequency. Stator and rotor windings. Synchronising alternators.

*Transformers.*—Constructional features. Action. Three phase transformers. Phasing out. Auto transformers. Instrument transformers.

*A. C. motors.*—Working principles of synchronus, induction and commutator motors. Starting of A. C. motors.

*Controlling and regulating gear.*—Working principles of starters and regulators for both A. C. and D. C. electric motors.

*Conversion of electrical energy from A. C. to D. C.*—Principle of operation of motor generator sets, rotary converters, motor converters and mercury arc rectifiers.

*Illumination.*—Important quantities in lighting calculations. Planning of lighting installations. Different types of amps.

SECTION II.

(*Planning of installations and utilisation of electricity.*)

*Preparation of plans and estimates.*—(Reparing a lay-out for lighting and power installations in residential and industrial premises) :—Estimates of materials and general cost involved in carrying out different types of installations.

*Circuit diagrams.*—Preparing circuit diagrams showing electrical connections between electrical motors, their control and regulating gears and the main distribution boards.

*Panel wiring.*—Preparation of drawings showing the wiring diagrams connecting D. C. and A. C. generators, switchboards, transformers, etc. in generating stations and sub-stations.

*Battery charges and convertors.*—Circuit diagrams showing electrical connections in battery charging equipment and converting machinery with its auxiliary apparatus.

*Lay-out for electric lift and pump installations.*—Preparation of sketches showing electrical connections in lift and pump installations. General principles and elementary calculations of head, power and energy consumption in electrical pumps. Description of the important parts including safety devices used in lifts installations. General maintenance of lift machinery.

*Earthing.*—Earthing of all installations ; testing of the effectiveness of the earthing system. Grounding of lightning conductors.

*Distribution.*—System of A. C. and D. C. distribution. Simple calculations regarding aerial lines. Voltage drop on feeders and distributors. Balancers. Protective devices for overhead system. Voltage regulations.

*Testing.*—Location of faults in the armature and field systems. Insulation tests on machines, domestic appliances and installations. Location of faults in underground cables.

*Resusciation from electric shock.*

*Government Acts.*—The knowledge of the following Acts and Rules made by Government :—

(1) The Indian Electricity Act, 1910.

(2) The Indian Electricity Rules, 1937.

(3) The Bombay Lifts Act, 1939, with Rules.

(4) The Bombay Fire Insurance Association Rules pertaining to low, medium and high pressure.

22. *Syllabus for the Examination for Wiremen.*—Practical knowledge of electric circuit—

Ohm's Law.

Difference between A. C. and D. C. supply.

Conductors and insulators.

Use of Standard Wire Gauge.

Connections of voltmeters and ammeters.

Reading and energy meter.

Simple calculations on power and energy.

Testing the supply for OFF and ON ; A. C. and D. C.

Positive and Negative ; Live and Dead conductors.

Various uses of the Test Lamp and Bell.

Connections and diagrams for Distribution and Fuse Boards.

Cut-outs ceiling roses, lamp holders, switches (including two-way and intermediate).

Wiring on cleats, in wood casing, metal sheated. T. R. S. and conduit.

Wiring of fittings and other consuming devices.

The installation of electric bells and indicators.

Connections of A. C. and D. C. fans and regulators ; common faults in them and their remedies.

Method of carrying (Overhead) bare, lead covered and T. R. S. wires over short distances.

Making straight and Tee joints in stranded insulated wires.

Making Brittania and Western Union joints in bare copper wires.

Soldering lugs on wires and cables.

## VII. Certificates and Permits.

23. *Grant of certificate of competency and permit to supervisors.*—Every candidate who passes the examination for supervisors, or who is exempted from appearing for such examination, shall be granted a certificate of competency in Form B or C, as the case may be, and a permit in Form D.

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24. *Grant of certificate and permit to wiremen.*—Every candidate who passes the examination for wiremen shall be granted a certificate in Form E and a permit in Form G.

25. *Grant of certificate and permit in certain cases.*—Candidates exempted from appearing for the examination under the note to rule 16 shall be granted a certificate in Form F and a permit in Form G on payment of the prescribed fee.

26. *Withdrawal or suspension of permit.*—Every permit granted under these rules shall be liable to be withdrawn or suspended for such period as the Board may decide, if the holder thereof is found guilty of any malpractice under these rules.

27. *Duplicate of a certificate or permit to be recorded.*—A duplicate of every certificate and permit granted under these rules shall be recorded in the office of the Secretary.

28. *Grant of duplicate certificate or permit.*—A duplicate of certificate or permit granted under these rules shall be issued on payment of—

Rs. 5 for supervisors ;

Re. 1 for wiremen ;

on production by the applicant of proof of the loss of the original certificate or permit together with the latest copy of his photograph to the satisfaction of the Secretary.

28-A. A fee of Re. 1 shall be charged for supplying information about the particular part or parts in which the candidate passed or failed in the examination, together with the actual number of marks he obtained in each part.

28-B. Notwithstanding anything contained in the foregoing provisions of these Rules, certificates of competency and wiremen's certificates granted by the competent authority in the territory formerly included in a merged State under the Rules made under an enactment corresponding to the Indian Electricity Act, 1910, and in force in the said State territory immediately before the repeal of the said corresponding enactment shall be deemed to have been granted by the Board under these Rules.

## VIII. Licences to Electrical Contractors.

29. *Grant of Electrical Contractor's Licence.*—An Electrical Contractor's Licence shall be granted only to a person (or a firm) who has in his possession the instruments necessary for carrying out the tests required under the Indian Electricity Rules, 1937, and who either himself holds a certificate of competency and permit and personally executes or supervises all work undertaken by him or who has in his employ a supervisor holding a certificate of competency and permit, under whose direct supervision all work undertaken by him is carried out :

Provided that the Board may refuse to grant such licence to any person (or firm) who (or which) in the opinion of the Board, is not fit to hold such licence.

30. *Form of Contractor's Licence.*—The Electrical Contractor's Licence shall be in Form H.

31. *Electrical Contractor to keep instrument in good order.*—An Electrical Contractor to whom a licence in Form H is granted shall keep the instruments necessary for carrying out the tests required under the Indian Electricity Rules, 1937, in good order.

32. *Cancellation of Contractor's Licence.*—If the holder of a competency certificate, on the strength of whose permit a licence has been granted to an Electrical Contractor, leaves the services of such contractor, such contractor's licence shall be deemed to have been suspended. Should such contractor fail to employ a person holding a supervisor's permit within one month from the date on which the holder of the competency certificate had left such contractor's service, such contractor's licence shall be cancelled.

The Secretary may, with the approval of the President, extend this period to a maximum of two months in extraordinary cases.

33. *Notice of termination of service of Supervisors to be given.*—If a holder of a supervisor's permit in the employment of a licensed electrical contractor leaves his service, the termination of the service of the permit-holder shall be notified to the Secretary both by the contractor and the permit-holder. The contractor shall also notify the name and certificate number of the supervisor engaged under rule 29.

34. *When Contractor's Licence shall not be granted.*—A Contractor's Licence shall not be granted to any holder of a supervisor's permit whilst he is in the employ of any other firm.

35. *Cancellation of Contractor's Licence.*—If a holder of a Supervisor's permit to whom a contractor's licence has been granted, accepts employment in any other firm, the contractor's licence granted to such holder shall be automatically cancelled.

35-A. *When contractor's licence may be cancelled.*—The Board may at any time cancel a contractor's licence if the person (or firm) to whom (or to which) the licence is granted is, in the opinion of the Board, not fit to hold such licence.

36. *Inspection of instruments.*—All testing instruments in the possession of every electrical contractor shall be inspected from time to time by the Electric Inspector or his representative.

37. *Staff of contractor.*—The entire staff of every Licensed Electrical Contractor shall consist of *bona fide* certificated and full-time employees, provided that a contractor may engage Apprentices for training purposes, in which case the total number of Apprentices employed by any Contractor at any time shall not exceed 50 per cent. of his total Wiring Staff, inclusive of Apprentices, but exclusive of coolies, and provided further that the Contractor shall not permit such Apprentices to carry out any electrical installation in work, including additions, alterations, repairs and adjustments to existing installations covered by rule 48 of the Indian Electricity Rules, 1937, except under the direct supervision of a person holding a certificate of competency and under the guidance of at least one certified Wireman on the premises.

Every Contractor shall maintain a Register in Form "I" of all Supervisors, Wiremen and Apprentices; such Register shall be obtained from the Electric Inspector, Bombay State, Bombay, and shall be open to inspection at any time by that Officer or his representative.

No person, whose name is not entered in such Register, shall be considered to be a *bona fide* employee on the Contractor's Wiring Staff.

38. *Application for contractor's licence.*—Applications for a Contractor's Licence shall be made to the Secretary in Form J.

39. *Mode of contract.*—Every contract for electrical installation work undertaken by a licensed electrical contractor shall be in writing, and the licensed electrical contractor shall be held responsible for the quality of all materials used.

39-A. *Notice of Commencement of Work.*—Notice of electric installation work, including additions, alterations, repairs and adjustments to existing installation except such replacement of lamps, fans, fuses, switches and other component parts of the installation as in no way alters its capacity or character, shall be given in writing by a licensed electrical contractor to the Electrial Inspector or his assistant, within 48 hours of the commencement of such work.

40. *Test Report.*—For all electric installation work carried out under rule 48 of the Indian Electricity Rules, 1937, a test report shall be submitted by the licensed electrical contractor to the Supply Company concerned. The test report shall be signed by the supervisor under whose supervision the work has been carried out, and countersigned by the licensed electrical contractor. The Supervisor shall be wholly responsible for the due execution of the electric installation work and shall be present at the time of testing.

41. *Register of contractors.*—A register of all licensed electrical contractors shall be maintained by the Secretary.

42. *Renewal of contractor's licence.*—Every electrical contractor's licence granted under these rules shall be renewable annually. Failure to renew a licence shall render such licence liable to cancellation, and the full initial fee will be charged for the issue of a new licence. Applications for renewal together with the licence shall be submitted to the Secretary at least one month before the date of expiry of the licence.

43. *Grant of duplicate of contractor's licence.*—A duplicate of an electrical contractor's licence granted under these rules shall be issued on payment of a fee of Rs. 10 and on production by the applicant of proof of the loss of the original licence to the satisfaction of the Secretary.

43-A. *Fee for a change of name.*—A fee of Rs. 10 shall be charged where a change in respect of the name of the contractor is to be made in the licence granted, provided that such change does not involve a transfer or an assignment of the licence to another person.

## IX. Misconduct of Licensed Contractors, Supervisors and Wiremen.

44. *Report of negligence.*—Where in the opinion of a Supply Company or a person for whom any electric installation work has been carried out, such work is not in accordance with the Indian Electricity Rules, 1937, the matter shall be reported to Electric Inspector concerned for such action as may be necessary and the action taken by him shall be notified to the parties concerned.

45. *Malpractice or infringement of rules to be reported.*—If any person holding a permit and/or an electrical contractor's licence is found guilty of malpractice or infringement of these rules, the Electrical Inspector concerned shall report the fact with full investigation to the Board. The decision of the Board on such report shall be communicated to the parties concerned.

## X. Electric Supply Companies carrying on the Business of Electrical Contractors.

46. *Supply companies to obtain contractor's licences.*—No electrical contracting work shall be carried out by any Electric Supply Company unless they have obtained an Electrical Contractor's Licence and employed a separate staff of supervisors and wiremen, in compliance with these rules :

Provided that where the services of a Licensed Electrical Contractor are not available to the public in the area of supply of an Electric Supply Company, the Licensing Board may exempt such Electric Supply Company from the obligation of appointing a separate staff of Electrical Supervisors and wiremen for a period of one year at one time.

47. *Cancellation of licence granted to supply companies.*—An electrical contractor's licence granted to an Electric Supply Company shall be liable to be withdrawn by the Board if it is found that preferential treatment is being given to prospective consumers with a view to gain an unfair advantage in competition with local contractors.

## XI. Fees.

48. *Fees.*—The following fees shall be levied under these rules for—

| | Rs. |
|---|---|
| (i) *Examinations*— | |
| (*a*) Admission to examination for supervisors ... ... | 15 |
| (*b*) Grant of competency certificate and supervisor's permit to a successful candidate ... ... ... | 10 |
| (*c*) Examination for wiremen ... ... ... | 5 |
| (ii) *Certificates and permits to candidates who are exempted from the examinations*— | |
| (*a*) Supervisors ... ... ... ... ... | 10 |
| (*b*) Wiremen ... ... ... ... ... | 1 |
| (iii) *Contractor's licence*— | |
| Initial fee ... ... ... ... ... | 100 |
| Annual renewal fee ... ... ... ... | 25 |

*Note.*—All fees for examination, Contractor's licence, and the annual renewal thereof and any other fees leviable in this connection, shall be paid into a Government Treasury in the Bombay State.

49. *Remuneration for examiners.*—An examiner nominated by the Board shall receive such fees as Government may from time to time approve, and such assistance in the conduct of the examination as may be determined by the Board.

Printed copies of these rules in English, Marathi, Gujarati, Kannada or Hindustani (Urdu and Devnagari Scripts) may be obtained on payment from the Government Book Depot, Bombay.

Forms of Application for Examinations and Contractor's Licence may be obtained from the Secretary (Electric Inspector, Bombay Public Works Department, Bombay).

FORM A.

APPLICATION FOR ADMISSION TO EXAMINATION FOR ELECTRICAL SUPERVISORS/ WIREMEN.

(To be filled in in English.)

Full name of the applicant ...
Date of birth and age ...
Details of technical qualifications ...
Details of past and present service ...
(Dates of commencement and termination of each appointment to be given.) Testimonials, original and copies thereof, to be submitted.

Fees payable into the Government Treasury/Reserve Bank of India :
(i) Examination for Supervisors :
(*a*) Admission to the examination—Rs. 15.
(*b*) Grant of Competency Certificate and Supervisor's Permit to a successful candidate Rs. 10.
(ii) Examination for wiremen—Rs. 5.

Chalan No. , dated
amounting to Rs.
(to be forwarded with the application).

Centre, where the applicant desires to be examined :
Bombay, Poona, Ahmedabad.

Language in which the candidate desires to be examined :

Candidate can be examined in—
English, Marathi, Gujarati, Urdu, Kannada and Hindustani (Urdu and Devnagari Scripts).

I hereby declare that the particulars stated above are correct and true to the best of my knowledge.

Dated 19 .

In the presence of—
Signature—
Designation—

Signature—
Address (to be stated clearly in English).

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*Note.*—Testimonials with copies thereof to be submitted with the application. (Originals will be returned as soon as they are scrutinised and the application is disposed off).

No payment will be accepted in cash or cheque : Fees must be paid into a Government Treasury or the Reserve Bank of India in the Bombay State.

The application must be signed in the presence of the employer, an Honorary Magistrate, or a Government official.

Two copies of the latest photograph of the applicant (size 2″×2½″) to accompany the application with name on the back.

Any person making false statements for the purpose of admission to the examination shall render himself liable for prosecution.

Incomplete applications will be rejected.

FORM B.

GOVERNMENT OF BOMBAY.

*Certificate of Competency.*

(Authorised by Government Notification, Public Works Department, No. 620/36, dated the 31st August 1948.)

having satisfied the Licensing Board by passing the prescribed Examination for Supervisors held in on is hereby granted this Certificate of Competency.

Electrical Department,
P. W. D., Bombay, 19 .

President,
Licensing Board.

Secretary,
Licensing Board.

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FORM C.

GOVERNMENT OF BOMBAY.

*Certificate of Competency.*

(Authorised by Government Notification, Public Works Department, No. 620/36, dated the 31st August 1948.)

having satisfied the Licensing Board that his qualifications entitle him to exemption from taking the prescribed Examination for Supervisors is hereby granted this Certificate of Competency.

Electrical Department,
P. W. D., Bombay, 19 .

President,
Licensing Board.

Secretary,
Licensing Board.

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(*Permit in Book Form.*)
*1st page.*

FORM D.

GOVERNMENT OF BOMBAY.

*Permit for Supervisors.*

(Authorised by Government Notification, Public Works Department, No. 620/36, dated the 31st August 1948.)

Date of Issue

*2nd page.*

Name :—

Date of examination :—

Place of examination :—

No. and date of Certificate of Competency :—

*3rd page.*

Photograph.

*4th page.*

This permit allows the holder to supervise and carry out electric installation work subject to the conditions mentioned in the rules issued by the Government of Bombay, under Government Notification, Public Works Department, No. 620/36, dated the 31st August 1948, but does not allow him to undertake electrical contracting work unless he holds a Contractor's License.

This permit is to be carried on the holder's person.

Secretary,
Licensing Board.

President,
Licensing Board.

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FORM E.

GOVERNMENT OF BOMBAY.

*Wireman's Certificate.*

(Authorised by Government Notification, Public Works Department, No. 620/36, dated the 31st August 1948.)

This is to certify that
passed the Examination for Wiremen held in
on

Electrical Department,
P. W. D., Bombay, 19 .

President,
Licensing Board.

Secretary,
Licensing Board.

FORM F.

GOVERNMENT OF BOMBAY.

*Wireman's Certificate.*

(Authorised by Government Notification, Public Works Department, No. 620/36, dated the 31st August 1948.)

having satisfied the Licensing Board that his qualifications entitle him to exemption from taking the prescribed Examination for Wiremen, is hereby granted this Wireman's Certificate.

Electrical Department,
P. W. D., Bombay, 19 .

President,
Licensing Board.

Secretary,
Licensing Board.

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(*Permit in Book Form.*)
*1st page.*

FORM G.

GOVERNMENT OF BOMBAY.

*Permit for Wiremen.*

(Authorised by Government Notification, Public Works Department, No. 620/36, dated the 31st August 1948.)

Date of Issue 19 .

*2nd page.*

Name :

Date of examination :

Place of examination :

*3rd page.*

Photograph.

*4th page.*

This permit allows the holder to carry out wiring work only, subject to the conditions mentioned in the rules issued by the Government of Bombay, under Government Notification, Public Works Department, No. 620/36, dated the 31st August 1948, but does not allow him to undertake supervising or electrical contracting work.

This permit is to be carried on the holder's person.

Secretary,
Licensing Board.

President,
Licensing Board.

FORM H.

GOVERNMENT OF BOMBAY.

*Licence to Electrical Contractors.*

(Authorised by Government Notification, Public Works Department, No. 620/36, dated the 31st August 1948.)

Mr. / Messrs.

is / are hereby authorised to carry out electric installation work in the Bombay State subject to the conditions mentioned in the rules issued by the Government of Bombay, under Government Notification, Public Works Department, No. 620/36, dated the 31st August 1948.

Electrical Department,
P. W. D., Bombay, 19 .

President,
Licensing Board.

Secretary,
Licensing Board.

| Date of Renewal. | Date of Expiry. | Secretary's Initials. |
|---|---|---|
| | | |

## FORM I.

GOVERNMENT OF BOMBAY.

*Register of Supervisors, Wiremen and Apprentices.*

(Authorised by Government Notification, Public Works Department, No. 620/26, dated the 31st August 1948.)

| Serial No. | Name of Employee. | Wiring staff. | | | Date of | | Remarks. |
|---|---|---|---|---|---|---|---|
| | | Supervisor's Permit No. | Wireman's Permit No. | Non-certificated Wiremen and Apprentices. | Employment. | Discharge. | |
| | | | | | | | |

## FORM J.

### Application for an Electrical Contractor's Licence.

To be filled in English.

| | |
|---|---|
| Name (title) in which an Electrical Contractor's Licence is applied for ... | |
| Business Address ... ... | |
| Full name, home address and age of the Proprietor ... ... | |
| Names, home addresses and ages of the Partners : | |
| 1 ... | |
| 2 ... | |
| 3 ... | |
| If a Contractor's Licence has been previously granted, details to be given ... ... | |
| Previous experience with Licensed Electrical Contractor ... ... | |
| Details of permit held by the applicant and/or Partners ... ... | |
| Details of Permit holder on the strength of whose permit the Contractor's Licence is applied fo ... | |
| Fee paid into the Government Treasury/ Reserve Bank of India. | Chalan No. dated for Rs. 100 (to be forwarded with the application). |

*Note.*—The applicants shall, if required by the Secretary, Licensing Board, produce evidence of solvency and capability to undertake wiring works.

I/We
hereby declare that the particulars stated above are correct to the best of my/our knowledge and that I/we fully understand the terms and conditions under which an Electrical Contractor's Licence is granted, a breach of which will render the Licence liable for suspension or withdrawal.

I/We
hereby also declare that I/we have in my/our possession a latest copy of the "Rules and Conditions for the Grant of Certificates of Competency and Permits to Supervisors and Wiremen and Licences to Electrical Contractors and other matters connected therewith" and that I/we shall notify the Secretary, Licensing Board, every change of address.

Signature.
Signatures of Partners.

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*N.B.*—Any person who makes, procures to be made, or assists in making any false representation for the purpose of obtaining for himself or any other person an Electrical Contractor's Licence shall render himself liable for prosecution.

## FORM K.

CERTIFICATE TO BE GRANTED TO ELECTRICAL STAFF FOR ADMISSION TO WIREMEN'S AND SUPERPISORS' EXAMINATION.

Name.

Designation.

Date of admission.

Nature of work.

Date of leaving.

Attendance.

Conduct.

Remarks.

I hereby declare that the particulars stated above are correct and true to the best of my knowledge.

Signature of Employer, or Licensed Electrical Contractor.

Date

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*Note 1.*—This certificate should be granted only to persons who are or have been actually employed on electrical wiring and installation works and whose names are entered in the Register of the Wiring Staff maintained by every Licensed Contractor.

*Note 2.*—The issue of a false certificate will render the Licensed Contractor and the person concerned liable for action under the Rules and Conditions for the Grant of Certificates of Competency and Permits to Supervisors and Wiremen and Licenses to Electrical Contractors, etc.

*Note 3.*—The employer or the Licensed Contractor shall, if required by the Secretary, Licensing Board, be responsible for producing documentary evidence regarding the applicant's employment.

Rule 48 (1) **G. N., P. W. D., No. 620/36, dated 23rd August 1950 (B. G., Pt. IV-A, p. 1107).**

In exercise of the powers conferred by the first proviso to sub-rule (1) of rule 48 of the Indian Electricity Rules, 1937, the Government of Bombay is pleased to exempt the works carried out on the premises of the Nadiad Borough Municipality, Nadiad, from so much of the said sub-rule (1) as requires such works to be carried out by an electrical contractor licensed by the State Government in that behalf, subject to the condition that such works are carried out under the direct supervision of a person holding a certificate of competency issued by the State Government and that the name of such person shall be reported to the Electric Inspector, Bombay, and the Nadiad Electric Supply Company Limited, Nadiad, from time to time.

Rule 48 (1) **G. N., P. W. D., No. 620/36, dated 21st September 1950 (B. G., Pt. IV-A, p. 577).**

In exercise of the powers conferred by the first proviso to sub-rule (1) of rule 48 of the Indian Electricity Rules, 1937, the Government of Bombay is pleased to exempt the works carried out by the Baroda City Municipality, from so much of the said sub-rule (1) as requires such works to be carried out by an electrical contractor licensed by the State Government in that behalf, subject to the condition that such works are carried out by the said Municipality under the direct supervision of a person holding a certificate of competency issued by the State Government and that the name of such person is reported to the Electric Inspector, Bombay, from time to time.

Rule 48 (1) **G. N., P. W. D., No. 3485/48, dated 15th January 1951 (B. G., Pt. IV-A, p. 25).**

In exercise of the powers conferred by the first proviso to sub-rule (1) of rule 48 of the Indian Electricity Rules, 1937, the Government of Bombay is pleased to exempt the works carried out at the premises of the State Transport Corporation from so much of the said sub-rule (1) as requires such works to be carried out by an electrical contractor licensed by State Government in that behalf, subject to the conditions that the State Transport Corporation shall appoint a competency certificate holder at every place where there is a workshop, depot, bus-station or a garage and that the works shall be carried out under the direct supervision of the electrical supervisor appointed for the place and that the names of such supervisors shall be reported from time to time to the Electric Inspector and the Electric Supply Company concerned.

Rule 48 (1) **G. N., P. W. D., No. I.E.R. 1151, dated 25th May 1951 (B. G., Pt. IV-A, p. 235).**

In exercise of the powers conferred by the first proviso to sub-rule (1) of rule 48 of the Indian Electricity Rules, 1937, the Government of Bombay is pleased to exempt the works carried out on the premises of the College of Engineering, Baroda, from so much of the said sub-rule (1) as requires such works to be carried out by an electrical contractor licensed by the State Government in that behalf, subject to the conditions that such works are carried out under the direct supervision of a person holding a certificate of competency issued by the State Government and that the name of such person shall be reported to the Electrical Inspector, Baroda, and the Electric Supply Company concerned, from time to time.

**G. N., P. W. D., No. 620/36, dated 14th February 1952 (B. G., Pt. IV-A, p. 284).** Rule 48 (1)

In exercise of the powers conferred by the first proviso to sub-rule (1) of rule 48 of the Indian Electricity Rules, 1937, the Government of Bombay is pleased to exempt the works carried out on the premises of the Elphinstone Technical High School, Bombay, for the purposes of experiments and demonstrations in the classes, from so much of the said sub-rule (1) as requires such works to be carried out by an electrical contractor licensed by the State Government in that behalf, subject to the condition that such works are carried out under the direct supervision of a person holding a certificate of competency issued by the State Government and that the name of such person shall be reported to the Electric Inspector, Bombay, and the Bombay Electric Supply and Transport Undertaking, Bombay, from time to time.

**G. N., P. W. D., No. 1611/36, dated 25th July 1939 (B. G., Pt. I, p. 2108).** Rule 117 (1)

In exercise of the powers conferred by sub-rule (1) of rule 117 of the Indian Electricity Rules, 1937, the Government of Bombay is pleased to direct that, in their application to step-down transformers, potential transformers, and out-door pole mounting transformers, the provisions of rule 60 (1) (*d*) of the said rules shall be relaxed to the following extent, namely :—

"Where a linked switch is provided on the secondary side near the transformer for cutting off all load from the transformers instantaneously, and suitable single pole, disconnecting switches are installed on the primary side for isolating the transformer from the supply whenever required, a separate linked switch on the primary side to disconnect the transformer on load may be dispensed with."

**G. N., P. W. D., No. I.E.R. 1451, dated 10th April 1952 (B. G., Pt. IV-A, p. 453).** Rule 117 (1)

In exercise of the powers conferred by sub-rule (1) of rule 117 of the Indian Electricity Rules, 1937, the Government of Bombay is pleased to direct that in their application to electrical installations in the Government buildings in charge of the Public Works Department the provisions of rule 49 of the said rules shall be relaxed to the following extent, namely :—

Where electrical installations provided in such buildings are periodically inspected, tested and maintained by the Electrical Engineer to Government in accordance with the requirements of sub-rules (1) to (4) of said rule, the requirements of provisions of sub-rules (5) to (7) of the said rule in respect of affixing and maintaining of a notice may be dispensed with.

**G. N., P. W. D., No. I.E.R. 1452, dated 23rd June 1952 (B. G., Pt. IV-A, p. 830).** Rule 117 (1)

In exercise of the powers conferred by sub-rule (1) of rule 117 of the Indian Electricity Rules, 1937, the Government of Bombay is pleased to direct that in their application to electrical installations in the Government buildings in charge of the Public Works Department the provisions of rule 49 of the said rules shall be relaxed to the following extent, namely :—

Where electrical installations provided in such buildings are periodically inspected, tested and maintained by the Chief Engineer, Bombay Electric Grid, in accordance with the requirements of sub-rules (1) to (4) of said rule, the requirements of provisions of sub-rules (5) to (7) of the said rule in respect of affixing and maintaining of a notice may be dispensed with.